

Supplemental Questionnaire

COMPUTER SPECIALIST, FG-0334-12

Department of Transportation

Federal Aviation Administration

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Section 1: Specialized Experience

From the description below, select the letter corresponding to the statement that most clearly and accurately describes your experience. Select only one letter.

A. I have at least 52 weeks of specialized experience equivalent to the FG-11 level, developing national client/server applications using PowerBuilder 5.0 **and** Oracle 7.x relational database management system (RDBMS) server(s) in a Digital UNIX environment. I also have experience developing internet/intranet WEB sites and WEB applications using PowerBuilder 6.0 and HTML, **or** experience developing *Teleform* scanner technologies, **or** experience interfacing *Edify* FAXBack and Telephone Device for the Deaf (TDD) with an Oracle database. I also have worked in a team environment and have served in a leadership role guiding and leading less experienced programmers through the development of client/server software systems.

B. I do not have the specialized experience as described above, but I believe I can perform the duties of the position.

Section 2: Quality Ranking Factors

For each of the following statements, circle the letter for the response that most accurately describes your level of experience in performing the task described, using the table below. Circle only one letter for each statement.

A - I have had no experience or training in this.

B - I have had education or training only in this, but no experience.

C - I have occasionally performed this task under close supervision.

D - I frequently and independently performed this task under normal supervision.

E - This task was/is a major part of my job, and I am considered an expert performing it.

	Circle the appropriate letter.				
2. Plan development of automation programs in support of division objectives.	A	B	C	D	E
3. Implement development of automation programs in support of division objectives.	A	B	C	D	E
4. Maintain automation programs in support of division objectives.	A	B	C	D	E
5. Develop advanced data processing system software within the requirements and constraints of operational, procedural, maintenance and environmental considerations.	A	B	C	D	E

- Circle the appropriate letter.
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|---|----------|----------|----------|----------|----------|
| 6. Use up-to-date knowledge of data processing system components applicable to highly complex, on-line computer system applications to complete projects involving subsystems that are part of the automation systems. | A | B | C | D | E |
| 7. Use up-to-date knowledge of software development applicable to highly complex, on-line computer system applications to complete projects involving subsystems that are part of the automation systems. | A | B | C | D | E |
| 8. Use up-to-date knowledge of implementation techniques applicable to highly complex, on-line computer system applications to complete projects involving subsystems that are part of the automation systems. | A | B | C | D | E |
| 9. Developed applications that employ <i>Teleform</i> scanner technologies to extract data from a paper based questionnaire into an Oracle database. | A | B | C | D | E |
| 10. Developed Windows GUI applications using a 4 th generation language application tool. | A | B | C | D | E |
| 11. Developed and maintained Oracle applications that use <i>Edify</i> FAXBack and Telephone Device for the Deaf telephone technologies. | A | B | C | D | E |
| 12. Developed and programmed Oracle PL/SQL programs. | A | B | C | D | E |
| 13. Installed and configured Oracle clients with TCP/IP, SQLnet and PowerBuilder 5.0. | A | B | C | D | E |
| 14. Has experience developing Internet/Intranet WEB sites using Microsoft FrontPage and HTML. | A | B | C | D | E |
| 15. Developed Oracle Internet/Intranet WEB applications that interface with an Oracle database using PowerBuilder 6.0, HTML, and CGI. | A | B | C | D | E |
| 16. Developed applications using object oriented programming languages that took advantage of inheritance and hierarchical data relationships | A | B | C | D | E |
| 17. Designed national client/server application systems using an object oriented design approach through reusable program and data objects. | A | B | C | D | E |
| 18. Develop nationally deployed information systems using Client/Server methods and architecture, PowerBuilder 5.0 clients and Oracle 7.x relational database management system (RDBMS) server(s) in a Digital UNIX server environment. | A | B | C | D | E |
| 19. Maintain nationally deployed information systems using Client/Server methods and architecture, PowerBuilder 5.0 clients and Oracle 7.x relational database management system (RDBMS) server(s) in a Digital UNIX environment. | A | B | C | D | E |
| 20. Design highly complex sub-programs. | A | B | C | D | E |
| 21. Evaluate highly complex sub-programs of a system to ensure they are feasibly designed and implemented. | A | B | C | D | E |

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|---|----------|----------|----------|----------|----------|
| 22. Ensure that automation systems can meet current and projected future functional requirements and workloads. | A | B | C | D | E |
| 23. Assist in combining separate information systems applications into complete and more highly integrated efficient systems. | A | B | C | D | E |
| 24. Develop comprehensive test data designed to insure that all system/problem processing, updating, computation, error checking, file generation, and output are thoroughly tested for both accuracy and completeness. | A | B | C | D | E |
| 25. Determine acceptability of final products through test and evaluation. | A | B | C | D | E |
| 26. Created business flow diagrams, process flow diagrams, and/or entity relationship diagrams to illustrate to users and programmers business flow and data relationships. | A | B | C | D | E |
| 27. Analyze operational systems to determine if problem areas can be resolved by refinement, new or improved techniques, or more effective equipment application. | A | B | C | D | E |
| 28. Analyze systems under development to determine if problem areas can be resolved by refinement, new or improved techniques, or more effective equipment application. | A | B | C | D | E |
| 29. Document the analysis of problem areas that may be resolved by refinement, new or improved techniques, or more effective equipment application. | A | B | C | D | E |
| 30. Provided technical support to remote users to troubleshoot Oracle and PowerBuilder 5.0 client configurations. | A | B | C | D | E |
| 31. Recommend selection or use of COTS software or equipment to ensure maximum cost versus benefits. | A | B | C | D | E |
| 32. Provide technical support to users to ensure the maximum use and acceptance of automation systems as they are implemented and used. | A | B | C | D | E |
| 33. Provide leadership and guidance to less experienced programmers when developing and implementing automation systems. | A | B | C | D | E |
| 34. Ensure disaster recovery procedures are established and in place for development, production and operational environments. | A | B | C | D | E |
| 35. Ensure system, operational, and user documentation is maintained and developed for ADP systems. | A | B | C | D | E |
| 36. Ensure system development activities are being performed effectively and efficiently by programming staff. | A | B | C | D | E |

I certify that, to the best of my knowledge, all the information provided on this form is true, accurate, and complete.

Name

Date